

Title (en)

YOKE COVER, TORQUE DETECTION DEVICE, ELECTRIC POWER STEERING DEVICE, YOKE COVER PRODUCTION METHOD, AND ELECTRIC POWER STEERING DEVICE PRODUCTION METHOD

Title (de)

JOCHABDECKUNG, DREHMOMENTDETEKTOR, ELEKTRISCHE SERVOLENKVORRICHTUNG, HERSTELLUNGSVERFAHREN FÜR JOCHABDECKUNG UND HERSTELLUNGSVERFAHREN FÜR ELEKTRISCHE SERVOLENKUNG

Title (fr)

COUVERCLE DE CULASSE AINSI QUE PROCÉDÉ DE FABRICATION DE CELUI-CI, DISPOSITIF DE DÉTECTION DE COUPLE, ET DISPOSITIF DE DIRECTION ASSISTÉE ÉLECTRIQUE AINSI QUE PROCÉDÉ DE FABRICATION DE CELUI-CI

Publication

EP 3376191 B1 20201007 (EN)

Application

EP 16864295 A 20161110

Priority

- JP 2015221285 A 20151111
- JP 2016083339 W 20161110

Abstract (en)

[origin: EP3376191A1] [Problem] It is an object of the invention to achieve reduction in production cost for a single yoke cover that is fitted to inner circumferences of cylindrical portions of two electromagnetic yokes configuring a torque detection device and retains the two electromagnetic yokes. [Solution] A single yoke cover 1 is interposed between two electromagnetic yokes 11a and 11b axially facing each other and is fitted to inner circumferences of cylindrical portions 11d and 11d of the electromagnetic yokes 11a and 11b. The yoke cover 1 includes a first cylindrical surface 2a fitted to the electromagnetic yoke 11a and provided in each of a plurality of first circumferential portions in an outer circumferential surface, and a second cylindrical surface 2b fitted to the electromagnetic yoke 11b and provided in each of a plurality of second circumferential portions circumferentially displaced from the first circumferential portions in the outer circumferential surface. The first cylindrical surface 2a and the second cylindrical surface 2b are shear surfaces formed by press punching in punching directions different from each other.

IPC 8 full level

G01L 3/10 (2006.01); **B62D 5/04** (2006.01)

CPC (source: EP)

B62D 6/10 (2013.01); **G01L 3/10** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3376191 A1 20180919; EP 3376191 A4 20190703; EP 3376191 B1 20201007; CN 108351263 A 20180731; CN 108351263 B 20200519; JP 2017090273 A 20170525; JP 6551178 B2 20190731; WO 2017082334 A1 20170518

DOCDB simple family (application)

EP 16864295 A 20161110; CN 201680065726 A 20161110; JP 2015221285 A 20151111; JP 2016083339 W 20161110